

-> b reg  
 FILE 'REGISTRY' ENTERED AT 18:03:54 ON 28 JAN 2008  
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
 COPYRIGHT (C) 2008 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file  
 provided by InfoChem.

STRUCTURE FILE UPDATES: 27 JAN 2008 HIGHEST RN 1000849-38-6  
 DICTIONARY FILE UPDATES: 27 JAN 2008 HIGHEST RN 1000849-38-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

Please note that search-term pricing does apply when  
 conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and  
 predicted properties as well as tags indicating availability of  
 experimental property data in the original document. For information  
 on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

-> d que sta 19  
 L5 STR

Hy<Hy<G1  
 1 2 3

VAR G1-AK/CB  
 NODE ATTRIBUTES:  
 DEFAULT MLEVEL IS ATOM  
 DEFAULT ECLEVEL IS LIMITED  
 ECOUNT IS E6 C E1 N AT 1  
 ECOUNT IS E4 C E2 N AT 2

GRAPH ATTRIBUTES:  
 RING(S) ARE ISOLATED OR EMBEDDED  
 NUMBER OF NODES IS 3

STEREO ATTRIBUTES: NONE  
 L7 3902 SEA FILE=REGISTRY ABB=ON PLU=ON NCNC3/ES AND NC6/ES  
 L9 301 SEA FILE=REGISTRY SUB=L7 SSS FUL L5

100.0% PROCESSED 3902 ITERATIONS 301 ANSWERS  
 SEARCH TIME: 00.00.01

-> d que sta 127  
 L7 3902 SEA FILE=REGISTRY ABB=ON PLU=ON NCNC3/ES AND NC6/ES  
 L25 STR

Hy<Hy<N  
 1 2 3

NODE ATTRIBUTES:  
 DEFAULT MLEVEL IS ATOM  
 DEFAULT ECLEVEL IS LIMITED  
 ECOUNT IS E6 C E1 N AT 1  
 ECOUNT IS E4 C E2 N AT 2

GRAPH ATTRIBUTES:  
 RING(S) ARE ISOLATED OR EMBEDDED  
 NUMBER OF NODES IS 3

STEREO ATTRIBUTES: NONE  
 L27 2294 SEA FILE=REGISTRY SUB=L7 SSS FUL L25

100.0% PROCESSED 3902 ITERATIONS 2294 ANSWERS  
 SEARCH TIME: 00.00.01

-> b hcap  
FILE 'HCAPLUS' ENTERED AT 18:04:10 ON 28 JAN 2008  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 28 Jan 2008 VOL 148 ISS 5  
FILE LAST UPDATED: 27 Jan 2008 (20080127/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d bib abs hitrn fhitrn l12 tot

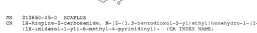
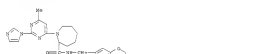
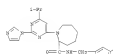


-> d bib abs hitstr 135 tot

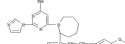


-> d bib abs hitstr 119 tot

219 ANSWER 1 OF 6 HCAPUS COPYRIGHT 2016 AQS on BTH (Continued)


$$\text{V} \begin{array}{c} \diagup \\ \text{C} \\ \diagdown \end{array} \begin{array}{c} \diagup \\ \text{O} \\ \diagdown \end{array} \text{B} \text{---} (\text{CH}_2)_{16} \text{P}(\text{O})_2 \text{R} \text{---} \text{A}$$
[illegible][illegible]

CS 18-Azepine-2-carboxamide, N-(1,3-benzodioxol-5-ylmethyl)hexahydro-1-(2-(1H-imidazol-1-yl)-3-methyl-4-oxoimidazol-5-yl)-2-oxo-1H-imidazole-5-carboxamide

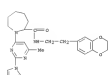
[illegible]

Chemical structure of compound 1: A 10-membered macrocyclic lactone with a side chain containing a trans-alkene and a terminal ethoxy group.

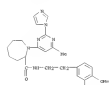


REF ID: A66504 PAGE 138

CS 18-Azepine-2-carboxamide, N-[2-(2,3-dihydro-1,4-benzodioxin-6-yl)ethyl]hexahydro-1-[1-(18-imidazol-3-yl)-6-methyl-4-pyrimidinyl]- (C8



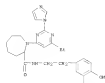
CU 18-Acetyne-2-carboxamide, N-[2-(3,4-dimethoxyphenyl)ethyl]hexahydro-1-(2-



ISSN 2156-0012-9 HCA021105

CU 18-Acetyl-2-carboxamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-1-[6-ethyl-2-(4-methylpent-3-en-1-yl)-5-methyl-2-methylthiohexan-3-yl]urea (100% pure)

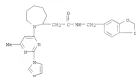
## 119 ANSWER 1 OF 4 KOMPASU COPYRIGHT 2008 ACS on STM (Continued)



119a 119a-11-0 KOMPASU  
CN 18-Azepine-2-carboxamide, N-((2,4-dimethoxyphenyl)methyl)benzhydro-1-(2-(18-oxahept-1-yl)-4-methyl-6-pyrindinyl)- (CN INDEX NAME)

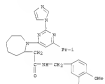


119b 119a-11-0 KOMPASU  
CN 18-Azepine-2-carboxamide, N-((1,3-bisoxolan-5-yl)methyl)benzhydro-1-(2-(18-oxahept-1-yl)-4-methyl-6-pyrindinyl)- (CN INDEX NAME)

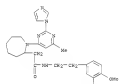


119c 119a-11-0 KOMPASU  
CN 18-Azepine-2-carboxamide, N-((1,3-bisoxolan-5-yl)methyl)-10-methyl-2-(18-oxahept-1-yl)-6-pyrindinyl)benzhydro- (CN INDEX NAME)

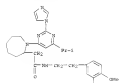
## 119 ANSWER 1 OF 4 KOMPASU COPYRIGHT 2008 ACS on STM (Continued)



119d 119a-11-0 KOMPASU  
CN 18-Azepine-2-carboxamide, N-((2-(2,4-dimethoxyphenyl)methyl)benzhydro-1-(2-(18-oxahept-1-yl)-4-methyl-6-pyrindinyl)- (CN INDEX NAME)

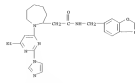


119e 119a-11-0 KOMPASU  
CN 18-Azepine-2-carboxamide, N-((2-(2,4-dimethoxyphenyl)methyl)benzhydro-1-(2-(18-oxahept-1-yl)-4-methyl-6-pyrindinyl)- (CN INDEX NAME)

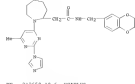


119f 119a-11-0 KOMPASU  
CN 18-Azepine-2-carboxamide, benzhydro-1-(2-(18-oxahept-1-yl)-4-methyl-6-pyrindinyl)-N-((4-methoxyphenyl)methyl)- (CN INDEX NAME)

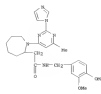
## 119 ANSWER 1 OF 4 KOMPASU COPYRIGHT 2008 ACS on STM (Continued)



119g 119a-11-0 KOMPASU  
CN 18-Azepine-2-carboxamide, N-((2,3-dihydro-1,4-benzodioxin-6-yl)methyl)benzhydro-1-(2-(18-oxahept-1-yl)-4-methyl-6-pyrindinyl)- (CN INDEX NAME)

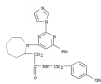


119h 119a-11-0 KOMPASU  
CN 18-Azepine-2-carboxamide, N-((2,4-dimethoxyphenyl)methyl)benzhydro-1-(2-(18-oxahept-1-yl)-4-methyl-6-pyrindinyl)- (CN INDEX NAME)

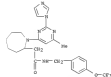


119i 119a-11-0 KOMPASU  
CN 18-Azepine-2-carboxamide, N-((2,4-dimethoxyphenyl)methyl)benzhydro-1-(2-(18-oxahept-1-yl)-4-methyl-6-pyrindinyl)- (CN INDEX NAME)

## 119 ANSWER 1 OF 4 KOMPASU COPYRIGHT 2008 ACS on STM (Continued)



119j 119a-11-0 KOMPASU  
CN 18-Azepine-2-carboxamide, benzhydro-1-(2-(18-oxahept-1-yl)-4-methyl-6-pyrindinyl)-N-((4-(trifluoromethyl)phenyl)methyl)- (CN INDEX NAME)

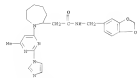


RE.DXT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE.PUBWT

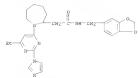




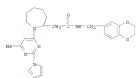
## 119 ANSWER 1 OF 4 NCPOLUS COPYRIGHT 2008 ACS on STM (Continued)



119450-16-1 NCPOLUS  
CN 18-Acetyl-2-acetamide, N-[(1,2-benzodioxol-5-ylmethyl)-1-[6-methyl-2-(18-bromo-1-yl)-4-pyridinyl]methyl]- (CA INDEX NAME)

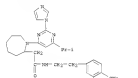


119450-18-5 NCPOLUS  
CN 18-Acetyl-2-acetamide, N-[(1,2-benzodioxol-5-ylmethyl)-4-benzodioxol-5-ylmethyl]methyl]- (CA INDEX NAME)

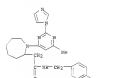


119450-18-6 NCPOLUS  
CN 18-Acetyl-2-acetamide, N-[(1,2,4-dimethoxyphenylmethyl)benzodioxol-1-[2-(18-bromo-1-yl)-4-methyl-4-pyridinyl]- (CA INDEX NAME)

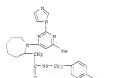
## 119 ANSWER 2 OF 4 NCPOLUS COPYRIGHT 2008 ACS on STM (Continued)



119450-11-3 NCPOLUS  
CN 18-Acetyl-2-acetamide, benzodioxol-1-[2-(18-bromo-1-yl)-4-methyl-4-pyridinyl]-4-(4-methoxyphenyl)methyl]- (CA INDEX NAME)

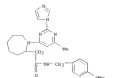


119450-18-5 NCPOLUS  
CN 18-Acetyl-2-acetamide, benzodioxol-1-[2-(18-bromo-1-yl)-4-methyl-4-pyridinyl]-4-(4-(4-methoxyphenyl)methyl)- (CA INDEX NAME)

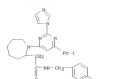


119450-18-6 NCPOLUS  
CN 18-Acetyl-2-acetamide, benzodioxol-1-[2-(18-bromo-1-yl)-4-methyl-4-pyridinyl]-4-(4-(4-methoxyphenyl)methyl)- (CA INDEX NAME)

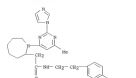
## 119 ANSWER 1 OF 4 NCPOLUS COPYRIGHT 2008 ACS on STM (Continued)



119450-10-1 NCPOLUS  
CN 18-Acetyl-2-acetamide, N-[(1,2,4-dimethoxyphenylmethyl)benzodioxol-1-[2-(18-bromo-1-yl)-4-methyl-4-pyridinyl]- (CA INDEX NAME)



119450-11-3 NCPOLUS  
CN 18-Acetyl-2-acetamide, N-[(1,2,4-dimethoxyphenylmethyl)benzodioxol-1-[2-(18-bromo-1-yl)-4-methyl-4-pyridinyl]- (CA INDEX NAME)



119450-12-1 NCPOLUS  
CN 18-Acetyl-2-acetamide, N-[(1,2,4-dimethoxyphenylmethyl)benzodioxol-1-[2-(18-bromo-1-yl)-4-methyl-4-pyridinyl]- (CA INDEX NAME)

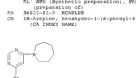


119450-13-1 NCPOLUS  
CN 18-Acetyl-2-acetamide, N-[(1,2,4-dimethoxyphenylmethyl)benzodioxol-1-[2-(18-bromo-1-yl)-4-methyl-4-pyridinyl]- (CA INDEX NAME)

EXPT NO.	EXPT NO.	EXPT NO.	EXPT NO.	EXPT NO.	EXPT NO.
119450-11-3	119450-11-3	119450-11-3	119450-11-3	119450-11-3	119450-11-3
119450-11-3	119450-11-3	119450-11-3	119450-11-3	119450-11-3	119450-11-3
119450-11-3	119450-11-3	119450-11-3	119450-11-3	119450-11-3	119450-11-3
119450-11-3	119450-11-3	119450-11-3	119450-11-3	119450-11-3	119450-11-3
119450-11-3	119450-11-3	119450-11-3	119450-11-3	119450-11-3	119450-11-3
119450-11-3	119450-11-3	119450-11-3	119450-11-3	119450-11-3	119450-11-3
119450-11-3	119450-11-3	119450-11-3	119450-11-3	119450-11-3	119450-11-3
119450-11-3	119450-11-3	119450-11-3	119450-11-3	119450-11-3	119450-11-3
119450-11-3	119450-11-3	119450-11-3	119450-11-3	119450-11-3	119450-11-3



119450-13-1 NCPOLUS  
CN 18-Acetyl-2-acetamide, N-[(1,2,4-dimethoxyphenylmethyl)benzodioxol-1-[2-(18-bromo-1-yl)-4-methyl-4-pyridinyl]- (CA INDEX NAME)



119450-13-1 NCPOLUS  
CN 18-Acetyl-2-acetamide, N-[(1,2,4-dimethoxyphenylmethyl)benzodioxol-1-[2-(18-bromo-1-yl)-4-methyl-4-pyridinyl]- (CA INDEX NAME)

[illegible]

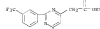
● HCl

117 ANSWER 5 OF 4: 8-MAGL5L6 003971GK7 2018 ACS RES 87N (Continued)

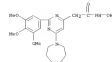
II (1155-86-\*) 53475-41-1 53473-47-3  
R12 H12 (benzylidene) 1-NAT (benzoyl ester or benzoin)  
1-benzylidene-2,4-dihydroxy-5-methyl-3-phenyl-1H-pyrazole  
R10 CH (1255-86-\*) 8-MAGL5L6  
1-(2,4-dihydroxy-5-methyl-3-phenyl-1H-pyrazol-1-yl)-2-(1,3,4-  
trimethylphenyl)ethyl ether (CA INDEX NAME)

MeO  
MeO  
OH  
CH<sub>3</sub>-C(=O)-OH  
R10 CH 53475-41-1 8-MAGL5L6  
R12 CH 6-methyl-2-(benzylidene)-5-(1,3,4-trimethylphenyl)-4-(benzoyloxy)-3-oxo-1H-pyrazol-1-yl-  
ethyl ether (CA INDEX NAME)

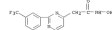
F  
CH<sub>3</sub>  
OH  
CH<sub>3</sub>-C(=O)-OH  
R10 CH 53475-41-1 8-MAGL5L6  
R12 CH 6-methyl-2-(benzylidene)-5-(1,3,4-trimethylphenyl)-4-(benzoyloxy)-3-oxo-1H-pyrazol-1-yl-  
ethyl ether (CA INDEX NAME)



149 **ANAL.** 51.06% C, 5.26% H, 2.92% N. **Calcd for**  $C_{10}H_{12}N_2O_2$ : 50.93% C, 5.31% H, 2.76% N. **Found:** 51.06% C, 5.26% H, 2.92% N. **IR** (KBr): 3370, 1710  $cm^{-1}$ . **<sup>1</sup>H NMR** ( $CDCl_3$ ):  $\delta$  7.17 (d, 2H,  $J = 8.0$  Hz), 6.97 (d, 2H,  $J = 8.0$  Hz), 6.75 (t, 1H,  $J = 7.8$  Hz), 6.54 (t, 1H,  $J = 7.8$  Hz), 6.34 (t, 1H,  $J = 7.8$  Hz), 6.13 (t, 1H,  $J = 7.8$  Hz), 5.93 (t, 1H,  $J = 7.8$  Hz), 5.73 (t, 1H,  $J = 7.8$  Hz), 5.53 (t, 1H,  $J = 7.8$  Hz), 5.33 (t, 1H,  $J = 7.8$  Hz), 5.13 (t, 1H,  $J = 7.8$  Hz), 4.93 (t, 1H,  $J = 7.8$  Hz), 4.73 (t, 1H,  $J = 7.8$  Hz), 4.53 (t, 1H,  $J = 7.8$  Hz), 4.33 (t, 1H,  $J = 7.8$  Hz), 4.13 (t, 1H,  $J = 7.8$  Hz), 3.93 (t, 1H,  $J = 7.8$  Hz), 3.73 (t, 1H,  $J = 7.8$  Hz), 3.53 (t, 1H,  $J = 7.8$  Hz), 3.33 (t, 1H,  $J = 7.8$  Hz), 3.13 (t, 1H,  $J = 7.8$  Hz), 2.93 (t, 1H,  $J = 7.8$  Hz), 2.73 (t, 1H,  $J = 7.8$  Hz), 2.53 (t, 1H,  $J = 7.8$  Hz), 2.33 (t, 1H,  $J = 7.8$  Hz), 2.13 (t, 1H,  $J = 7.8$  Hz), 1.93 (t, 1H,  $J = 7.8$  Hz), 1.73 (t, 1H,  $J = 7.8$  Hz), 1.53 (t, 1H,  $J = 7.8$  Hz), 1.33 (t, 1H,  $J = 7.8$  Hz), 1.13 (t, 1H,  $J = 7.8$  Hz), 0.93 (t, 1H,  $J = 7.8$  Hz), 0.73 (t, 1H,  $J = 7.8$  Hz), 0.53 (t, 1H,  $J = 7.8$  Hz), 0.33 (t, 1H,  $J = 7.8$  Hz), 0.13 (t, 1H,  $J = 7.8$  Hz). **<sup>13</sup>C NMR** ( $CDCl_3$ ):  $\delta$  155.3, 154.3, 153.3, 152.3, 151.3, 150.3, 149.3, 148.3, 147.3, 146.3, 145.3, 144.3, 143.3, 142.3, 141.3, 140.3, 139.3, 138.3, 137.3, 136.3, 135.3, 134.3, 133.3, 132.3, 131.3, 130.3, 129.3, 128.3, 127.3, 126.3, 125.3, 124.3, 123.3, 122.3, 121.3, 120.3, 119.3, 118.3, 117.3, 116.3, 115.3, 114.3, 113.3, 112.3, 111.3, 110.3, 109.3, 108.3, 107.3, 106.3, 105.3, 104.3, 103.3, 102.3, 101.3, 100.3, 99.3, 98.3, 97.3, 96.3, 95.3, 94.3, 93.3, 92.3, 91.3, 90.3, 89.3, 88.3, 87.3, 86.3, 85.3, 84.3, 83.3, 82.3, 81.3, 80.3, 79.3, 78.3, 77.3, 76.3, 75.3, 74.3, 73.3, 72.3, 71.3, 70.3, 69.3, 68.3, 67.3, 66.3, 65.3, 64.3, 63.3, 62.3, 61.3, 60.3, 59.3, 58.3, 57.3, 56.3, 55.3, 54.3, 53.3, 52.3, 51.3, 50.3, 49.3, 48.3, 47.3, 46.3, 45.3, 44.3, 43.3, 42.3, 41.3, 40.3, 39.3, 38.3, 37.3, 36.3, 35.3, 34.3, 33.3, 32.3, 31.3, 30.3, 29.3, 28.3, 27.3, 26.3, 25.3, 24.3, 23.3, 22.3, 21.3, 20.3, 19.3, 18.3, 17.3, 16.3, 15.3, 14.3, 13.3, 12.3, 11.3, 10.3, 9.3, 8.3, 7.3, 6.3, 5.3, 4.3, 3.3, 2.3, 1.3, 0.3. **MS** ( $m/z$ ): 155 (M<sup>+</sup>), 154 (M<sup>+</sup>), 153 (M<sup>+</sup>), 152 (M<sup>+</sup>), 151 (M<sup>+</sup>), 150 (M<sup>+</sup>), 149 (M<sup>+</sup>), 148 (M<sup>+</sup>), 147 (M<sup>+</sup>), 146 (M<sup>+</sup>), 145 (M<sup>+</sup>), 144 (M<sup>+</sup>), 143 (M<sup>+</sup>), 142 (M<sup>+</sup>), 141 (M<sup>+</sup>), 140 (M<sup>+</sup>), 139 (M<sup>+</sup>), 138 (M<sup>+</sup>), 137 (M<sup>+</sup>), 136 (M<sup>+</sup>), 135 (M<sup>+</sup>), 134 (M<sup>+</sup>), 133 (M<sup>+</sup>), 132 (M<sup>+</sup>), 131 (M<sup>+</sup>), 130 (M<sup>+</sup>), 129 (M<sup>+</sup>), 128 (M<sup>+</sup>), 127 (M<sup>+</sup>), 126 (M<sup>+</sup>), 125 (M<sup>+</sup>), 124 (M<sup>+</sup>), 123 (M<sup>+</sup>), 122 (M<sup>+</sup>), 121 (M<sup>+</sup>), 120 (M<sup>+</sup>), 119 (M<sup>+</sup>), 118 (M<sup>+</sup>), 117 (M<sup>+</sup>), 116 (M<sup>+</sup>), 115 (M<sup>+</sup>), 114 (M<sup>+</sup>), 113 (M<sup>+</sup>), 112 (M<sup>+</sup>), 111 (M<sup>+</sup>), 110 (M<sup>+</sup>), 109 (M<sup>+</sup>), 108 (M<sup>+</sup>), 107 (M<sup>+</sup>), 106 (M<sup>+</sup>), 105 (M<sup>+</sup>), 104 (M<sup>+</sup>), 103 (M<sup>+</sup>), 102 (M<sup>+</sup>), 101 (M<sup>+</sup>), 100 (M<sup>+</sup>), 99 (M<sup>+</sup>), 98 (M<sup>+</sup>), 97 (M<sup>+</sup>), 96 (M<sup>+</sup>), 95 (M<sup>+</sup>), 94 (M<sup>+</sup>), 93 (M<sup>+</sup>), 92 (M<sup>+</sup>), 91 (M<sup>+</sup>), 90 (M<sup>+</sup>), 89 (M<sup>+</sup>), 88 (M<sup>+</sup>), 87 (M<sup>+</sup>), 86 (M<sup>+</sup>), 85 (M<sup>+</sup>), 84 (M<sup>+</sup>), 83 (M<sup>+</sup>), 82 (M<sup>+</sup>), 81 (M<sup>+</sup>), 80 (M<sup>+</sup>), 79 (M<sup>+</sup>), 78 (M<sup>+</sup>), 77 (M<sup>+</sup>), 76 (M<sup>+</sup>), 75 (M<sup>+</sup>), 74 (M<sup>+</sup>), 73 (M<sup>+</sup>), 72 (M<sup>+</sup>), 71 (M<sup>+</sup>), 70 (M<sup>+</sup>), 69 (M<sup>+</sup>), 68 (M<sup>+</sup>), 67 (M<sup>+</sup>), 66 (M<sup>+</sup>), 65 (M<sup>+</sup>), 64 (M<sup>+</sup>), 63 (M<sup>+</sup>), 62 (M<sup>+</sup>), 61 (M<sup>+</sup>), 60 (M<sup>+</sup>), 59 (M<sup>+</sup>), 58 (M<sup>+</sup>), 57 (M<sup>+</sup>), 56 (M<sup>+</sup>), 55 (M<sup>+</sup>), 54 (M<sup>+</sup>), 53 (M<sup>+</sup>), 52 (M<sup>+</sup>), 51 (M<sup>+</sup>), 50 (M<sup>+</sup>), 49 (M<sup>+</sup>), 48 (M<sup>+</sup>), 47 (M<sup>+</sup>), 46 (M<sup>+</sup>), 45 (M<sup>+</sup>), 44 (M<sup>+</sup>), 43 (M<sup>+</sup>), 42 (M<sup>+</sup>), 41 (M<sup>+</sup>), 40 (M<sup>+</sup>), 39 (M<sup>+</sup>), 38 (M<sup>+</sup>), 37 (M<sup>+</sup>), 36 (M<sup>+</sup>), 35 (M<sup>+</sup>), 34 (M<sup>+</sup>), 33 (M<sup>+</sup>), 32 (M<sup>+</sup>), 31 (M<sup>+</sup>), 30 (M<sup>+</sup>), 29 (M<sup>+</sup>), 28 (M<sup>+</sup>), 27 (M<sup>+</sup>), 26 (M<sup>+</sup>), 25 (M<sup>+</sup>), 24 (M<sup>+</sup>), 23 (M<sup>+</sup>), 22 (M<sup>+</sup>), 21 (M<sup>+</sup>), 20 (M<sup>+</sup>), 19 (M<sup>+</sup>), 18 (M<sup>+</sup>), 17 (M<sup>+</sup>), 16 (M<sup>+</sup>), 15 (M<sup>+</sup>), 14 (M<sup>+</sup>), 13 (M<sup>+</sup>), 12 (M<sup>+</sup>), 11 (M<sup>+</sup>), 10 (M<sup>+</sup>), 9 (M<sup>+</sup>), 8 (M<sup>+</sup>), 7 (M<sup>+</sup>), 6 (M<sup>+</sup>), 5 (M<sup>+</sup>), 4 (M<sup>+</sup>), 3 (M<sup>+</sup>), 2 (M<sup>+</sup>), 1 (M<sup>+</sup>). **HRMS** ( $m/z$ ): 155.0700 (M<sup>+</sup>), 154.0600 (M<sup>+</sup>), 153.0500 (M<sup>+</sup>), 15

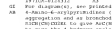


**RE** 41555-75-8 KODPLAS  
**CH** 4-Pyridylisoxanamide, 4-(6-oxaspiro[3.5]undec-9-ene-2-yl)-N-(2-(trifluoromethyl)phenyl)- (CA 1906 1996)  
  
**RE** 55475-16-3 KODPLAS  
**CH** 4-Pyridylisoxanamide, 2-(3,4-dihydrospiro[1.4]-6-oxaspiro[3.5]undec-9-ene-2-yl)-N-(2-(trifluoromethyl)phenyl)- (CA 1906 1996)



RE 55475-16-3 B04LAG  
CN 4-Pyrrolidinonecarboxamide, 2-(3-Ethoxyphenyl)-8-(benzhydro-1H-imidazo[1,2-b]hydroxy- (CA INDEX NAME)

1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64																																				

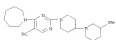
[illegible]



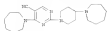
-> d bib abs hitind hitstr 140 tot



440 ASSOCIATION OF 2 OF 2 WORKPUBS COPYRIGHT 2009 ACS ON BTH (CONTINUED)



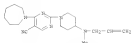
RN 611701-16-2 ROAFILES  
 CN 5-Pyrimidinophosphatite, 4-[(benzohydro-[1H]-azepin-1-yl)-2-[4-(benzohydro-[1H]-azepin-2-yl)-1-piperidinyl]- (CA INDEX NAME)



CS 6-Propyridinecarboxamide, 2-[4-(ethylmethanamine-1-piperidinyl)]-2-  
(benzohydro-1H-azepin-3-yl)- (CA INDEX NAME)



CS 5-Pyridindicarboadtrile, 4-(hexahydro-1H-azepin-1-yl)-2-[4-(methyl-2-propenylamino)-1-pdperidinyl]- (8CI) (CA INDEX NAME)



CS 5-Pyridinidincarbonitrile, 2-[1-[3-(cyclopropylmethyl)propylamino]propylamino]-4-(3-oxahydro-2H-azepin-2-yl)- (CA INDEX NAME)

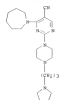


SM 61100-85-8 NDAPIEN  
 CM Piperazine, 1-acetyl-4-[[1-[5-cyano-4-(hexahydro-1H-azepin-1-yl)-2-pyrimidinyl]-2-piperidinyl]methyl]- (SCI) (CA INDEX NAME)

140 AUTHOR 1 OF 1 WCPUBS COPYRIGHT 2019 ACS GO 3TH (CODE18440)



**EN** 611204-10-3 HCAPLAN  
**CN** 5-Pyrimidin-2-carboxitrile, 4-(hexahydro-1H-azepin-1-yl)-2-[6-[3-(1-  
 pyridin-2-yl)propyl]-2-piperidinyl]- (CA [HOOE HMM])



RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE.FORMAT

-> d his

```

(FILE 'HOME' ENTERED AT 17:02:02 ON 28 JAN 2008)

FILE 'HCAPLUS' ENTERED AT 17:02:46 ON 28 JAN 2008
L1      1 US20070167459/PN

FILE 'REGISTRY' ENTERED AT 17:03:06 ON 28 JAN 2008

FILE 'HCAPLUS' ENTERED AT 17:03:06 ON 28 JAN 2008
L2      TRA L1 1- RN :      1829 TERMS

FILE 'REGISTRY' ENTERED AT 17:03:07 ON 28 JAN 2008
L3      1829 SEA L2
L4      1375 L3 AND NC6/ES AND 46.195.39/RID
L5      STR
L6      0 L5
L7      3902 NCNC3/ES AND NC6/ES
L8      7 L5 SAM SUB=L7
L9      301 L5 FULL SUB=L7
L10     SAV TEM J758C1/A L9
        13 L9 AND L3

FILE 'HCAPLUS' ENTERED AT 17:11:20 ON 28 JAN 2008

FILE 'REGISTRY' ENTERED AT 17:11:22 ON 28 JAN 2008
L11     288 L9 NOT L10

FILE 'HCAPLUS' ENTERED AT 17:11:35 ON 28 JAN 2008
L12     1 L10
L13     75 L11
L14     61 L13 AND (PD<=20031209 OR AD<=20031209 OR PRD<=20031209)
L15     47 L13 AND PD<=20021209
        SEL HIT RN

FILE 'REGISTRY' ENTERED AT 17:15:40 ON 28 JAN 2008
L16     95 E1-95
L17     3 L16 AND (C20H24FN302 OR C16H19N3 OR C24H30N6O2)

FILE 'HCAPLUS' ENTERED AT 17:44:29 ON 28 JAN 2008
L18     6 L17
L19     6 L14 AND L18

FILE 'HCAOLD' ENTERED AT 17:45:16 ON 28 JAN 2008
L20     0 L17

FILE 'HCAPLUS' ENTERED AT 17:48:23 ON 28 JAN 2008
        E CHEMOKINE RECEPTORS/CT
        E E3+ALL
L21     13030 E19+OLD
        E E22+ALL
L22     27324 E10+OLD,NT
L23     2 L21-22 AND L13
        SEL HIT RN 2
        SEL AN 2 L23
L24     1 E15-16 AND L23

FILE 'REGISTRY' ENTERED AT 17:52:13 ON 28 JAN 2008
L25     STR L5
L26     50 L25 SAM SUB=L7
L27     2294 L25 FULL SUB=L7
        SAV J758C4/A L27
L28     1368 L27 AND L3
L29     926 L27 NOT L28
L30     84 C21H35N5
L31     20 L30 AND L27
L32     16 L31 AND NR=4
L33     5 L32 AND (NC6 AND NCNC3 AND NC5 AND C6)/ES
        SEL RN 1-2

```



L34 2 E17-18

FILE 'HCAPLUS' ENTERED AT 17:58:27 ON 28 JAN 2008

```

L35 1 L34
L36 50 L29
L37 32 L36 AND (PD<-20031209 OR AD<-20031209 OR PRD<-20031209)
L38 2 L37 AND L21-22
L39 1 L23 NOT L38
L40 1 L24 AND L27

```

=&gt; =&gt; =&gt; b reg

FILE 'REGISTRY' ENTERED AT 17:29:23 ON 19 FEB 2008  
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
 COPYRIGHT (C) 2008 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file  
 provided by InfoChem.

STRUCTURE FILE UPDATES: 18 FEB 2008 HIGHEST RN 1004360-55-7  
 DICTIONARY FILE UPDATES: 18 FEB 2008 HIGHEST RN 1004360-55-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

Please note that search-term pricing does apply when  
 conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and  
 predicted properties as well as tags indicating availability of  
 experimental property data in the original document. For information  
 on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=&gt; d que sta l9

L5 STR

Hy^Hy~^N

1 2 3

## NODE ATTRIBUTES:

```

DEFAULT MLEVEL IS ATOM
GGCAT IS UNS AT 2
DEFAULT ELEVEL IS LIMITED
ECOUNT IS E6 C E1 N AT 1
ECOUNT IS E4 C E2 N AT 2

```

## GRAPH ATTRIBUTES:

```

RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 3

```

## STEREO ATTRIBUTES: NONE

```

L7 3911 SEA FILE=REGISTRY ABB=ON PLU=ON NC6/ES AND NCNC3/ES
L9 2301 SEA FILE=REGISTRY SUB=L7 SSS FUL L5

```

100.0% PROCESSED 3911 ITERATIONS

2301 ANSWERS

SEARCH TIME: 00.00.01

=&gt; b hcap

FILE 'HCAPLUS' ENTERED AT 17:29:30 ON 19 FEB 2008  
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
 COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 19 Feb 2008 VOL 148 ISS 8  
FILE LAST UPDATED: 18 Feb 2008 (20080218/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

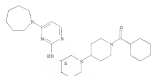
=> d bib abs hitstr 122 1

100 ADDRESS : OF 3 MICROFILMS COPYRIGHT 2025 ACS on 03/16  
AN 2025/282406 KOSLOS  
DI 144142840  
TI Method for measuring cell migration activity  
AU Kikuchi, Shunji; Iwata, Kazuyoshi; Watanabe, Noriaki; Saito, Tetsuya  
GA Ono Pharmaceutical Co., Ltd., Japan  
DG DCT Int. Appl., 27 pp.  
COEN INDEXED  
DT Dutch  
LA Japanese

PAN CHIT		PATIENT NO.		RXNO		DATE		APPLICATIONS NO		DATE	
PS	MS70666	AS		2006487							
CA	AG	AL	AM	AT	AO	AE	AD	AP	BM	BS	BA
CA	CH	CL	CO	DE	DM	DO	DR	DS	DT	EA	GB
GA	GE	GL	GU	HA	HE	HO	HR	HS	HT	IA	IB
LC	LE	LV	SE	LO	LV	LA	MA	MD	ME	MG	MI
MO	MS	MG	MO	NI	CO	NO	PT	OT	FO	SC	SD
SI	SO	ST	TH	TA	TE	TO	TR	TS	UC	UN	VA
UO	SA	SN	SW								
PA	AL	CA	CH	CL	CO	DE	DM	DO	DR	DS	DT
EA	GB	GE	GL	GU	HA	HE	HO	HR	HS	HT	IA
IB	IB	IB	IB	IB	IB	IB	IB	IB	IB	IB	IB
CA	CH	CL	CO	DE	DM	DO	DR	DS	DT	EA	GB
GA	GE	GL	GU	HA	HE	HO	HR	HS	HT	IA	IB
LC	LE	LV	SE	LO	LV	LA	MA	MD	ME	MG	MI
MO	MS	MG	MO	NI	CO	NO	PT	OT	FO	SC	SD
SI	SO	ST	TH	TA	TE	TO	TR	TS	UC	UN	VA
UO	SA	SN	SW								

**ABSTRACT** A method is provided for measuring the cell migration activity of compounds in response to the function of a specific cell migration inducer *in vivo*. The method comprises: (1) a process for transferring cells producing a cell migration inducer (e.g., MCP, SDF-1) into an air-pouch produced under a skin of a mammal (e.g., mouse); (2) a process for measuring the cell migration activity of the cells in the air-pouch; (3) macrophages, translocated into a site other than the air-pouch of the mammal; (4) a process for recovering the cells in the air-pouch; and (5) a process for measuring the number of the cells to be measured in the recovered cells. Also provided are a method for measuring the cell migration activity of a compound possessing a specificity or a selectivity *in vivo* using the above method, and a method for producing the above cell migration inducer.

TX	Indirectly compound
TX	71590-81-6
	NA: MBL (biological study, unclassified); MBL (biological study)
	Used for measuring cell migration activity
NS	71590-81-6 IC50:152
CE	[1,4'-bipiperidin]-3-amine, 1'-((cyclohexylmethyl))-N-(3-(benzohydro-1H-arepin-1-yl)-2-pyrindinyl)-, (3S)-(3C) (CA INDEX NAME)
	Absolute stereochemistry



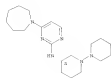
RE-ENT 4      THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

-> d bib abs hitrn fhitstr 122 2

[illegible][illegible]



533 ANSWER 3 (P. 3) HCP/PLUB. COPYRIGHT 2004 ACS INC. STM (CHEM1948)



-> d bib abs hitstr 121 tot



131 ASSOCIATION OF 16 SCIENTISTS COPYRIGHT 2009 ACS OR ITS

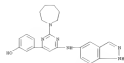
[illegible]

33

1.23 ANSWER 2 OF 26 INCLOSURE COPYRIGHT 2008 ACS INC. 579

[illegible][illegible]

121 ASHES: 1 OF 16 SAMPLES COPYRIGHT 2009 ACS OR ITS COOPERATED

[illegible]

1-21 3/25/2018 2:07:26 PM SCADLAB COPYRIGHT 2008 ACS, INC. 5TH (Copyrighted)

[illegible]

```

CN      2
C#N     118-7
O#N     C4 H6 O4

Double bond geometry as shown:

HO2C   / \    CO2H
        C=C
         | 
         2

HM       617716-90-5  BICAPLON
CM       [E]-2-methylenecyclopropane, N,N'-bis(cyclopropyl)-4-(hexahydro-1H-asptro[1-g])-5-methyl-, [(R),(S)-2-hexenedioate (2':3')] (CA THREE NAME)

CN      1
C#N     617716-93-5
O#N     CTY HDA HS
```

123 ANSWER 2 OF 16 RECAPLED COPYRIGHT 2009 ACS OR STH (CODE1999)

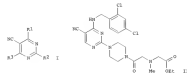




ClCCl

RE CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

01 139, 501740  
 11 Preparation of N-oxymagpyrimidine derivatives as anti-inflammatory agents  
 12 Hachi, Daisuke; Yamura, Sozoku; Arai, Hitomi; Yamagawa, Ryoji; Ohai  
 13 Itaya, Kenzaburo; Arai, Isamu; Hiko, Nobuyoshi; Katayama, Sato, Takeshi;  
 14 Hata, Ichiro  
 15 Kyowa Hakko Kogyo Co., Ltd., Japan  
 16 OCT Int. Appl., 145 pp

[illegible]

**AB** The title pyrimidine compds. I wherein R1 and R3 = independently H, OH, halo, (substituted alkyl, alkoxy, alkylthio, aryl, aralkyl, or amino; R2 = (substituted amino) or ammonium salts or pharmaceutically acceptable salts thereof are prepared as anti-inflammatory agents. For example, the compound II was prepared in a multi-step synthesis. It shows 57% inhibitory activity against thymus and activation-regulated chemokine (SRCF) M2-39 cells at 1  $\mu$ M. Formulations containing I as an active ingredient are also disclosed.

17 611302-14-3P  
 RL: PNC (Pharmacological activity); SPH (Synthetic preparations);  
 THU (Therapeutic use); BIOL (Biological study); PREP (Preparation)  
 ; DSEA (Uses)  
 (drug candidate; preparation of cyanoguanidine deriva- as anti-inflammatory

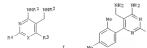
```

agent(s)
NN  611202-14-3  HCAPLUM
CR  5-Pyrimidinsecarbonitrile, 2-[[3-[[cyclopropylmethyl]propylamino]propyl]amino]-4-(1-methoxy-1H-azepin-1-yl)- (CA INDEX NAME)

```

RE CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

25 134197487  
 26 Preparation of novel pyridines and pyrimidines as G99 IV inhibitors  
 27 Boesinger, Markus; Loeffler, Bernd Michael, Peters, Jens-Uwe, Regep  
 28 Matthias; Weiss, Peter  
 29 F. Hoffmann-La Roche A.-G., Switz  
 30 OCT Int. Appl., 73 pp.  
 31 OOOON: #XXXX

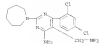
[illegible]

AA The title compounds (1,  $R = H$ , CH<sub>3</sub>, R<sub>2</sub>, R<sub>3</sub> = H, alkyl; R<sub>2</sub> = (substituted) heterocyclic,  $R_3 = alkyl$ ,  $R_2 = alkyl$ , alkylidene, etc.;  $R_3 = H$ , alkyl, heterocyclic) for the treatment and/or prophylaxis of diabetes which are characterized with DPP IV, such as oral diabetes, particularly non-insulin-dependent diabetes mellitus, and impaired glucose tolerance, were prepared and formulated Thus, reacting benzoinamide with 2-[1,4-dimethylpiperidin-2-yl]maleonitrile (in the presence of K<sub>2</sub>CO<sub>3</sub> in MeOH) followed by treating the reaction mixture with MeOH, and reduction of the resulting mixture with hydride in afforded 74 II which showed 105% of 8-172  $\mu$ g/ml potent DPP IV

17 582206-20-5P  
 EN: MAC (Pharmacological activity), 580 (Synthetic preparation);  
 TR: [Therapeutic use], 610L (Biological study), 605P (Preparation);  
 U: 10255 (Uses)  
 Investigation of novel uridine and cytosidine deoxys as HIV IV inhibitors

101 ASSESS 4 OF 26 RECALCULATED COPYRIGHT 2008 ACS on STM (CLOSED)

CS 5-Pyrimidinethanamine, 4-amino-6-(2,4-dichlorophenyl)-2-(benzhydro-1H-azepin-2-yl)- (CA INDEX NAME)

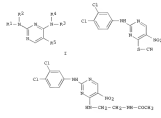


RE.CMT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS PROPOS  
ALL CITATIONS AVAILABLE IN THE RE.FORMAT

121 ASHES & HT 36 SAMPLED COPYRIGHT 2009 ACS OR ITS

AN	2003:319721	BRABLAG
DN	134:321292	
TI	Preparation of 2,4,5-trisubstituted pyrimidines as cyclin dependent kinase	

18 LIBRARY  
 19 Schmitt, Georg; Kammlersch, Frank; Wittenberg, Helmut; Bocksch, Alexander;  
 20 Prokopenko, Andrey A.; Krast, Bernd; Zehnapp, Gerd; Altemeier,  
 21 Martin; Leotec, Martin; Schmitt, Andreas; Steiner, Stefan; Zepew, Walter  
 22 Boehringer Ingelheim Pharma G.m.b.H., Germany; Boehringer Ingelheim  
 23 Pharmaceuticals, Inc.; Boehringer Ingelheim International G.m.b.H.  
 24 PCT Int. Appl., 278 pp  
 25 CLASS: F16H  
 26 TITLE  
 27 German

[illegible]

AA Title compds. I (R1 = H, alkyl; R2 = (un)substituted alkyl, R3 = H, alkyl;

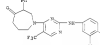
121 ANSWER 5 OF 26 INCORRECT. COPYRIGHT 2008 ACS on 5/7/11 (Continued)

R1 = (4a) substituted alkyl; R2 = halide and their pharmaceutically acceptable salts were prepd. For example, condensation of thioacetopyrimidine II, e.g., prepd from 1,4-dichloroaniline and 2-thione-4-ribosyloxy-6-aminopyrimidine in one step, and acetylaminomethylamine provided trisubstituted pyrimidine III in 88% yield. In CDKL/CyclinB kinase inhibition studies, 48-examples of compdr. I exhibited IC50 values more than 100 nM. Comps I are claimed useful for

12 51433-45-99, 2-(3,4-Dichlorophenylamino)-4-[4-oxo-3-phenylazepan-1-yl]-5-trifluoromethylpyridine 51433-46-00, 1-[2-(3,4-Dichlorophenylamino)-5-trifluoromethylpyridin-4-yl]azepan-4-

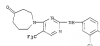
EL: EAC (Pharmacological activity); SPH (Synthetic preparation);  
TAT (Therapeutic use); BIOL (Biological study); PREP (Preparation);  
; TSEA (Uses)

06 514623-46-9 KCMPL09  
06 514623-46-9 KCMPL09



CS 3E-kemia-8-nou, 3-(2-(3,4-dichlorophenyl)amino)-5-(trifluoromethyl)-4-

03 33-Azoptin-1-oxo, 1-[2-[3,4-dichlorophenyl]amino]-5-(trifluoromethyl)-4-pyrimidinyl]hexahydro- (CA INDEX NAME)

CC(=O)OCC1=CC=C(C=C1)C2=CC=CC=C2

RE: ENVI 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS PROJECT  
ALL CITATIONS AVAILABLE IN THE RE: ENVI 7

131 ASSUMER 4 OF 36 BCD186 COPYRIGHT 2008 ACS on 5/1

AN 2003:460449 NCAPLAW  
 DN 137:33218  
 TI Preparation of pyrimidinylaminonucleosides as tyrosine kinase inhibitors  
 IN Blomberg, Mark T.; Hartman, George S.; Hoffman, Jacob M.; Jr.; Danna,  
 William C.; Jr.; Manley, Peter J.; Rodman, Leonard; Nisko, John T.; Smith,  
 Anthony M.; Fung, Henry S.

PA March & Co., Inc., USA

80 FBI Lab. Appl., 149 pp.  
CODEN: PIXED2

07 Patent  
1A English

[illegible][illegible]

12 636851-15-99

EL (Efficacy), PH (Pharmacological activity), SYN (Synthetic preparation),  
 TH (Therapeutic use), BIOL (Biological study), PREP (Preparation)

```

, 1985 (Uses)
  (preparation of pyrimidinylaminobacterioles as tyrosine kinase inhibitors

```

IN 634051-15-9 HCAPLAS  
 CN 5-Thiazololacetic acid, 2-[16-(4-aminobenzylidene)-1H-azepin-6-yl]-6-oxo-

pyrimidinylamino)- (CA INDEX 59861)









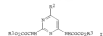


121 ANSWER 15 OF 26 KOMPAS COPYRIGHT 2004 ACS on STM (Continued)  
 12 11000-10-39  
 RU PCT (Reactant); RUH (apoptosis preparation); RUAP (preparation); RACT (Reactant or reagent)  
 RU 11705-11-3 KOMPASS  
 CN 4-Phenylacetamide, 3-(3-oxo-4-(3-oxo-4-phenyl-1,2,3,4-tetrahydro-1H-pyridin-1-yl)-1H-pyridin-2-yl)- (CA INDEX NAME)



121 ANSWER 16 OF 26 KOMPAS COPYRIGHT 2004 ACS on STM  
 12 11000-11-24 KOMPASS  
 CN 104-112484  
 IT Preparation of heterocyclicpyridoneoxadiazoles as allergy inhibitors  
 IN Taguchi, Hiroshi; Katsushima, Takao; Kim, Shunroku; Aoki, Shiroshi; Nakamura, Masahito  
 SM Taguchi, Ch., Ltd., Japan  
 RU Int. Pat. Appl., 31 pp  
 CO 0000000000  
 IT Patent  
 LA English  
 FSN 002

RU/IN NO.	RU/IN NO.	APPLICANT NO.	RU/IN NO.
RU 104-112484	IT 10711004	107100-41059/1	10710416 <--
RU 104-112484	IT 10711004	107100-41059/1	10710416 <--
RU 104-112484	IT 10711004	107100-41059/1	10710416 <--
RU 104-112484	IT 10711004	107100-41059/1	10710416 <--
RU 104-112484	IT 10711004	107100-41059/1	10710416 <--
RU 104-112484	IT 10711004	107100-41059/1	10710416 <--
RU 104-112484	IT 10711004	107100-41059/1	10710416 <--
RU 104-112484	IT 10711004	107100-41059/1	10710416 <--
RU 104-112484	IT 10711004	107100-41059/1	10710416 <--
RU 104-112484	IT 10711004	107100-41059/1	10710416 <--



121 ANSWER 17 OF 26 KOMPAS COPYRIGHT 2004 ACS on STM (Continued)  
 12 11000-11-24 KOMPASS  
 RU PCT (Reactant); RACT (Reactant or reagent)  
 RU 11705-11-3 KOMPASS  
 CN 4-Phenylacetamide, 3-(3-oxo-4-(3-oxo-4-phenyl-1,2,3,4-tetrahydro-1H-pyridin-1-yl)-1H-pyridin-2-yl)- (CA INDEX NAME)

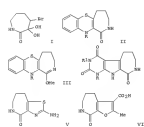


121 ANSWER 18 OF 26 KOMPAS COPYRIGHT 2004 ACS on STM (Continued)  
 12 11000-11-24 KOMPASS  
 RU PCT (Reactant); RACT (Reactant or reagent)  
 RU 11705-11-3 KOMPASS  
 CN 4-Phenylacetamide, 3-(3-oxo-4-(3-oxo-4-phenyl-1,2,3,4-tetrahydro-1H-pyridin-1-yl)-1H-pyridin-2-yl)- (CA INDEX NAME)

121 ANSWER 19 OF 26 KOMPAS COPYRIGHT 2004 ACS on STM (Continued)



121 ANSWER 20 OF 26 KOMPAS COPYRIGHT 2004 ACS on STM (Continued)  
 12 11000-11-24 KOMPASS  
 RU PCT (Reactant); RACT (Reactant or reagent)  
 RU 11705-11-3 KOMPASS  
 CN 4-Phenylacetamide, 3-(3-oxo-4-(3-oxo-4-phenyl-1,2,3,4-tetrahydro-1H-pyridin-1-yl)-1H-pyridin-2-yl)- (CA INDEX NAME)



121 ANSWER 21 OF 26 KOMPAS COPYRIGHT 2004 ACS on STM (Continued)  
 12 11000-11-24 KOMPASS  
 RU PCT (Reactant); RACT (Reactant or reagent)  
 RU 11705-11-3 KOMPASS  
 CN 4-Phenylacetamide, 3-(3-oxo-4-(3-oxo-4-phenyl-1,2,3,4-tetrahydro-1H-pyridin-1-yl)-1H-pyridin-2-yl)- (CA INDEX NAME)



• RUH

[illegible]

17 equilibrated with the air (iii), as shown spectroscopically  
5/67-22-8

IT	5787-37-2P, N-methylphenazine, 2-(6-hydroxy-4-pyrimidinyl)- -N- NMP (preparation)
	[preparation of]
NS	5787-37-3 (SCS)S
CS	(2S)-2-pyrimidinone, 6-(6-hydroxy-2H-naphthyl-1-yl)-, hydrate (SCI) [C hydrolysis]

AN 196 454154 HCAPLGN  
 UN 67 54154  
 ORGN 67 10185a, 10192a  
 TI Ursula in herbicide compositions  
 IN Leon, Sergey M.  
 OR de Paul de Remours, K. I., and Co  
 SO Fr., 21 pp.  
 CODEN: FROOAK  
 DT Patent  
 LA French  
 FAN 087 1

[illegible]

IT	8-bromo-6-methyl-3-(4-morpholinyl)urea(1), 14795-91-29
KL	GSN (Synthetic preparation); PNEP (Preparation (preparation of)
MS	14795-91-2 SCAPLAP
CS	Gracil, 3-(hexahydro-1H-azepin-3-yl)-6-methyl-5-nitro- (4CI) (CA INDEX)



AU 1999:45041 KCMPLAB  
 CH 51:40341  
 ORFE 51:72141-1  
 TI Pyrimidines  
 VA Societe des usines chimiques de Rhone-Poulenc  
 SO Addn. to Fr. 1,058,836 (C.A. 52, 16381a)  
 DT Patent  
 LA Unavailable  
 FAN.CST 1

[illegible]

SL	PREP (Preparation)
	(preparation of)
EN	121075-94-7 NCARLOS





-> b hcaol  
 FILE 'HCAOLD' ENTERED AT 17:30:51 ON 19 FEB 2008  
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
 COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

PRE-1967 CHEMICAL ABSTRACTS FILE WITH HOUR-BASED PRICING  
 FILE COVERS 1907-1966  
 FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

-> d bib abs 127 tot  
 YOU HAVE REQUESTED DATA FROM FILE 'HCAPLUS' - CONTINUE? (Y)/N:n

-> -> b hcap  
 FILE 'HCAPLUS' ENTERED AT 17:31:31 ON 19 FEB 2008  
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
 COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 19 Feb 2008 VOL 148 ISS 8  
 FILE LAST UPDATED: 18 Feb 2008 (20080218/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

-> d bib abs hitetr 127 tot



-> d his

```

(FILE 'HOME' ENTERED AT 17:02:37 ON 19 FEB 2008)

FILE 'HCAPLUS' ENTERED AT 17:03:28 ON 19 FEB 2008
L1      1 US20070167459/PN

FILE 'REGISTRY' ENTERED AT 17:03:52 ON 19 FEB 2008

FILE 'HCAPLUS' ENTERED AT 17:03:58 ON 19 FEB 2008
L2      TRA L1 1- RN :      1829 TERMS

FILE 'REGISTRY' ENTERED AT 17:03:59 ON 19 FEB 2008
L3      1829 SEA L2
L4      1375 L3 AND (NC6 AND NCNC3)/ES
L5      STR
L6      0 L5
L7      3911 NC6/ES AND NCNC3/ES
L8      50 L5 SAM SUB=L7
L9      2301 L5 FULL SUB=L7
        SAV TEM L9 J758C4A/A
L10     1369 L9 AND L4
L11     933 L9 NOT L10

FILE 'HCAPLUS' ENTERED AT 17:13:07 ON 19 FEB 2008
L12     51 L11
L13     40 L12 AND (PD<-20050610 OR AD<-20050610 OR PRD<-20050610)
L14     30 L12 AND PD<-20040610
L15     26 L14 AND L11 (L) PREP+NT/RL
L16     4 L14 NOT L15
        SEL HIT RN

FILE 'REGISTRY' ENTERED AT 17:15:01 ON 19 FEB 2008
L17     4 E1-4

FILE 'HCAPLUS' ENTERED AT 17:16:03 ON 19 FEB 2008
        SEL HIT RN L15

FILE 'REGISTRY' ENTERED AT 17:16:26 ON 19 FEB 2008
L18     58 E5-62
L19     1 L18 AND C10H14N6
L20     57 L18 NOT L19

FILE 'HCAPLUS' ENTERED AT 17:24:30 ON 19 FEB 2008
L21     26 L20 AND L15

FILE 'REGISTRY' ENTERED AT 17:25:30 ON 19 FEB 2008

FILE 'HCAPLUS' ENTERED AT 17:26:13 ON 19 FEB 2008
L22     2 L10

FILE 'HCAOLD' ENTERED AT 17:27:58 ON 19 FEB 2008
L23     0 L10
L24     3 L9
        SEL HIT RN

FILE 'REGISTRY' ENTERED AT 17:28:18 ON 19 FEB 2008
L25     4 E63-66
L26     1 L25 AND C10H17N5

FILE 'HCAPLUS' ENTERED AT 17:28:55 ON 19 FEB 2008
L27     1 L26 AND L24

=> b hcap
FILE 'HCAPLUS' ENTERED AT 13:13:34 ON 20 FEB 2008
USE IS SUBJECT TO THE TERMS OF YOUR SIN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

```



Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 20 Feb 2008 VOL 148 ISS 8

FILE LAST UPDATED: 19 Feb 2008 (20080219/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d bib abs hitstr l11 tot



-> d his

```
(FILE 'HOME' ENTERED AT 13:08:43 ON 20 FEB 2008)
FILE 'HCAPLUS' ENTERED AT 13:08:54 ON 20 FEB 2008
L1      1 US20070167459/PN
FILE 'REGISTRY' ENTERED AT 13:09:18 ON 20 FEB 2008
FILE 'HCAPLUS' ENTERED AT 13:09:18 ON 20 FEB 2008
L2      TRA L1 1- RN :      1829 TERMS
FILE 'REGISTRY' ENTERED AT 13:09:19 ON 20 FEB 2008
L3      1829 SEA L2
        ACT J758C4A/A
        -----
L4      STR
L5      ( 3911)SEA FILE=REGISTRY ABB=ON  PLU=ON  NC6/ES AND NCNC3/ES
L6      2301 SEA FILE=REGISTRY SUB=L5 SSS FUL L4
        -----
L7      1368 L6 AND L3
L8      20 L6 AND C21H35N5
L9      12 L8 AND NC6/ES AND C6/ES AND NCNC3/ES
L10     5 L9 AND NC5/ES
FILE 'HCAPLUS' ENTERED AT 13:13:11 ON 20 FEB 2008
L11     1 L10
```

=> b hcap

```
FILE 'HCAPLUS' ENTERED AT 13:32:23 ON 20 FEB 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)
```

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

```
FILE COVERS 1907 - 20 Feb 2008 VOL 148 ISS 8
FILE LAST UPDATED: 19 Feb 2008 (20080219/ED)
```

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d bib abs hitstr l18 tot

[illegible]





[illegible]

112 115378-52-s  
[Derived from data in the 6th Collective Formula Index (1957-1961)]  
88 115378-52-s NCARTON

C8	Hexamethylenimine, 1-(4-amino-4-pyrimidinyl)- (6CI) (CA INDEX NAME)
----	---



```

11E ANDREWS S INF 6 RECORDS COPYRIGHT 2008 ACS OR ITS
12E 1959-2009 RECORDS
13E 53 2099
14E 53 38Thru, 39Thru, 39Thru
15E Biometrics, Organometallics
16E Whitehead, Calvert M
17E Lillian Research Labs., Indianapolis, IN
18E History of the American Chemical Society (1958),
19E COLLEN JACAST; 1558- 8007-7863
20E Journal
21E Unavailable

```

05 CACRYSTIN 531269  
 06 CC1=CC=C(C=C1)C2=CC=CC=C2C3=CC=CC=C3C4=CC=CC=C4 (124) and 124, 9. C21C22C23C24C25C26C27C28C29C30C31C32C33C34C35C36C37C38C39C40C41C42C43C44C45C46C47C48C49C50C51C52C53C54C55C56C57C58C59C60C61C62C63C64C65C66C67C68C69C70C71C72C73C74C75C76C77C78C79C80C81C82C83C84C85C86C87C88C89C90C91C92C93C94C95C96C97C98C99C100C101C102C103C104C105C106C107C108C109C110C111C112C113C114C115C116C117C118C119C120C121C122C123C124C125C126C127C128C129C130C131C132C133C134C135C136C137C138C139C140C141C142C143C144C145C146C147C148C149C150C151C152C153C154C155C156C157C158C159C160C161C162C163C164C165C166C167C168C169C170C171C172C173C174C175C176C177C178C179C180C181C182C183C184C185C186C187C188C189C190C191C192C193C194C195C196C197C198C199C200C201C202C203C204C205C206C207C208C209C210C211C212C213C214C215C216C217C218C219C220C221C222C223C224C225C226C227C228C229C230C231C232C233C234C235C236C237C238C239C240C241C242C243C244C245C246C247C248C249C250C251C252C253C254C255C256C257C258C259C260C261C262C263C264C265C266C267C268C269C270C271C272C273C274C275C276C277C278C279C280C281C282C283C284C285C286C287C288C289C290C291C292C293C294C295C296C297C298C299C300C301C302C303C304C305C306C307C308C309C310C311C312C313C314C315C316C317C318C319C320C321C322C323C324C325C326C327C328C329C330C331C332C333C334C335C336C337C338C339C340C341C342C343C344C345C346C347C348C349C350C351C352C353C354C355C356C357C358C359C360C361C362C363C364C365C366C367C368C369C370C371C372C373C374C375C376C377C378C379C380C381C382C383C384C385C386C387C388C389C390C391C392C393C394C395C396C397C398C399C400C401C402C403C404C405C406C407C408C409C410C411C412C413C414C415C416C417C418C419C420C421C422C423C424C425C426C427C428C429C430C431C432C433C434C435C436C437C438C439C440C441C442C443C444C445C446C447C448C449C450C451C452C453C454C455C456C457C458C459C460C461C462C463C464C465C466C467C468C469C470C471C472C473C474C475C476C477C478C479C480C481C482C483C484C485C486C487C488C489C490C491C492C493C494C495C496C497C498C499C500C501C502C503C504C505C506C507C508C509C510C511C512C513C514C515C516C517C518C519C520C521C522C523C524C525C526C527C528C529C530C531C532C533C534C535C536C537C538C539C540C541C542C543C544C545C546C547C548C549C550C551C552C553C554C555C556C557C558C559C560C561C562C563C564C565C566C567C568C569C570C571C572C573C574C575C576C577C578C579C580C581C582C583C584C585C586C587C588C589C590C591C592C593C594C595C596C597C598C599C600C601C602C603C604C605C606C607C608C609C610C611C612C613C614C615C616C617C618C619C620C621C622C623C624C625C626C627C628C629C630C631C632C633C634C635C636C637C638C639C640C641C642C643C644C645C646C647C648C649C650C651C652C653C654C655C656C657C658C659C660C661C662C663C664C665C666C667C668C669C670C671C672C673C674C675C676C677C678C679C680C681C682C683C684C685C686C687C688C689C690C691C692C693C694C695C696C697C698C699C700C701C702C703C704C705C706C707C708C709C710C711C712C713C714C715C716C717C718C719C720C721C722C723C724C725C726C727C728C729C730C731C732C733C734C735C736C737C738C739C740C741C742C743C744C745C746C747C748C749C750C751C752C753C754C755C756C757C758C759C760C761C762C763C764C765C766C767C768C769C770C771C772C773C774C775C776C777C778C779C780C781C782C783C784C785C786C787C788C789C790C791C792C793C794C795C796C797C798C799C800C801C802C803C804C805C806C807C808C809C810C811C812C813C814C815C816C817C818C819C820C821C822C823C824C825C826C827C828C829C830C831C832C833C834C835C836C837C838C839C840C841C842C843C844C845C846C847C848C849C850C851C852C853C854C855C856C857C858C859C860C861C862C863C864C865C866C867C868C869C870C871C872C873C874C875C876C877C878C879C880C881C882C883C884C885C886C887C888C889C890C891C892C893C894C895C896C897C898C899C900C901C902C903C904C905C906C907C908C909C910C911C912C913C914C915C916C917C918C919C920C921C922C923C924C925C926C927C928C929C930C931C932C933C934C935C936C937C938C939C940C941C942C943C944C945C946C947C948C949C950C951C952C953C954C955C956C957C958C959C960C961C962C963C964C965C966C967C968C969C970C971C972C973C974C975C976C977C978C979C980C981C982C983C984C985C986C987C988C989C990C991C992C993C994C995C996C997C998C999C1000C1001C1002C1003C1004C1005C1006C1007C1008C1009C1010C1011C1012C1013C1014C1015C1016C1017C1018C1019C1020C1021C1022C1023C1024C1025C1026C1027C1028C1029C1030C1031C1032C1033C1034C1035

[illegible]

318 ANSWER 9 OF 9 HQADGUS COPYRIGHT 2024 ACS ON 57N (Continued)  
31 8 g. VI and the ppt. washed with Et<sub>2</sub>O, Et<sub>2</sub>O, and Et<sub>2</sub>O gave the  
corresponding p-(3-hydroxypropyl)-2-oxo-3-oxopropylacetic acids [alkoxy  
group and  $\gamma$ -keto groups: MeO, 46; HO(CH<sub>2</sub>)<sub>2</sub>, 73; both acids decolor on heating  
p-2-HOCH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>COOH (10.5 g) and 8.3 g. MeCH<sub>2</sub>CHCOOH in eq. NaHCO<sub>3</sub>  
yielded 5 g p-MeCH<sub>2</sub>CHCOOHCH<sub>2</sub>CH<sub>2</sub>COOH (IX), m. 106°. Similarly was  
prepd p-MeCH<sub>2</sub>CHCOOHCH<sub>2</sub>CH<sub>2</sub>COOH, m. 148°. 704. IR (1 g.), 1.5 g. VI.

[illegible]

114-16\*

II 118378-92-4

Revised from data in the 1st collection. Mammals. Boston 1955. 242x.

```

MS 118379-52-0 HCAPLOW
CS Hexamethylenimine, 1-(6-amino-4-gyridinyl)- (4CI) (CA THOSE NAME)

```



-> d his

```

(FILE 'HOME' ENTERED AT 13:08:43 ON 20 FEB 2008)

FILE 'HCAPLUS' ENTERED AT 13:08:54 ON 20 FEB 2008
L1      1 US20070167459/PN

FILE 'REGISTRY' ENTERED AT 13:09:18 ON 20 FEB 2008

FILE 'HCAPLUS' ENTERED AT 13:09:18 ON 20 FEB 2008
L2      TRA L1 1- RN :      1829 TERMS

FILE 'REGISTRY' ENTERED AT 13:09:19 ON 20 FEB 2008
L3      1829 SEA L2
          ACT J758C4A/A
          -----
L4      STR
L5      ( 3911)SEA FILE=REGISTRY ABB=ON  PLU=ON  NC6/ES AND NCNC3/ES
L6      2301 SEA FILE=REGISTRY SUB=L5 SSS FUL L4
          -----
L7      1368 L6 AND L3
L8      20 L6 AND C21H35N5
L9      12 L8 AND NC6/ES AND C6/ES AND NCNC3/ES
L10     5 L9 AND NC5/ES

FILE 'HCAPLUS' ENTERED AT 13:13:11 ON 20 FEB 2008
L11     1 L10

FILE 'REGISTRY' ENTERED AT 13:15:50 ON 20 FEB 2008
L12     933 L6 NOT L7

FILE 'HCAPLUS' ENTERED AT 13:16:57 ON 20 FEB 2008
L13     51 L12
L14     40 L13 AND (PD<=20050610 OR AD<=20050610 OR PRD<=20050610)
L15     30 L14 AND PD<=20040610
L16     26 L15 AND L13 (L) PREP+NT/RL
L17     14 L14-15 NOT L16
          SEL AN 4 7-14
L18     9 E214-231 AND L17

```

=>